



MOBIL DOCKET NO. 10061-1

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of : A. W. Chester, et al.  
Serial No. : 09/144,607  
Filed : August 31, 1998  
For : GASOLINE SULFUR REDUCTION IN FLUID  
CATALYTIC CRACKING  
Group Art Unit: : 1764  
Examiner : N. Preisch

Amendment

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please amend the claims of this application as follows:

Add the following claims 32 to 37:

36  
32.

A method of reducing the sulfur content of cracked liquid petroleum fractions produced by cracking a petroleum feed fraction containing sulfur in the presence of a catalyst composition produced by introducing vanadium into a catalyst composition comprising a zeolite in a matrix comprising alumina or silica-alumina with clay, to exchange the vanadium onto the zeolite in a valence state greater than zero, calcining the catalyst composition to form the catalyst composition and catalytically cracking the petroleum feed fraction containing the organosulfur compounds at elevated temperature in the presence of the calcined catalyst composition to produce liquid cracking products of reduced sulfur content.

37  
33.

A method according to claim 32 in which the zeolite of the cracking catalyst comprises a large pore size zeolite having cracking activity.

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